

Appl. No. 09/676,835

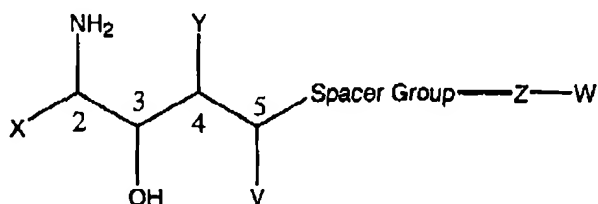
Supplemental Amendment dated October 31, 2003

This listing of claims will replace all prior versions and listings of claims in this application.

### Listing of Claims

Claims 1-8 (cancelled)

Claim 9 (Currently Amended) A method of treating a subject suffering from a neoplastic condition or toxicity associated with an alteration in sphingolipid metabolism comprising administering to the subject an effective amount of a fumonisin analog of the formula:



wherein the spacer group is selected from the group consisting of ~~alkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>20</sub>) alkyl, ~~hydroxyalkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>20</sub>) hydroxyalkyl and ~~dihydroxyalkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>20</sub>) dihydroxyalkyl; Z is selected from the group consisting of H, O, NH, NQ, NQC(O), NHC(O), CO<sub>2</sub>, C(O)NH, and C(O)NQ, wherein Q is ~~an alkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>6</sub>) alkyl; W is selected from the group consisting of no substituent, H, ~~alkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>6</sub>) alkyl, ~~aryl~~ (phenyl or substituted phenyl) aryl, C(O)(CH<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>H wherein n = 1-6, C(O)(CH<sub>2</sub>)<sub>n</sub>CW'<sub>2</sub>CO<sub>2</sub>H, where W' is selected independently from H, ~~alkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>6</sub>) alkyl, ~~aryl~~ (phenyl or substituted phenyl) aryl, and (CH<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>H, wherein n = 1-6; X is selected from the group consisting of H, methyl, CH<sub>2</sub>OH and esters thereof, CH<sub>2</sub>NQ'<sub>2</sub> (where Q' is selected independently from H, ~~alkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>20</sub>) alkyl, and acyl, wherein acyl is defined as C(O)Q" where Q" is ~~an alkyl~~ (straight chain or branched, C<sub>1</sub> - C<sub>20</sub>) alkyl; and V and Y are independently selected from the group consisting of H or OH and esters thereof but not fumonisin B1, fumonisin B2, fumonisin B3, fumonisin B4 or AAL toxin.

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Claim 10 (cancelled)

Claim 11 (currently amended)      The method of Claim 9, wherein the subject has  
Neimann-Picks syndrome or Tay-Sachs disease ~~is treated~~.

Claim 12 (currently amended)      The method of Claim 9, wherein the ~~fumonisin or~~  
fumonisin analog is administered in an amount between 5 and 500 mg.

Claim 13 (currently amended)      The method of Claim 9, wherein the ~~fumonisin or~~  
fumonisin analog is administered in an amount between 25 and 75 mg.

Claim 14 (previously presented)      The method of Claim 9, wherein X is CH<sub>2</sub>OH or an  
ester thereof.

Claim 15 (previously presented)      The method of Claim 9, wherein the fumonisin  
analog has a 2-amino-3,5-diol head group.

Claim 16-46 (cancelled)

Claim 47 (previously presented)      The method of Claim 9, wherein the neoplastic  
condition is esophageal cancer.

Claim 48 (previously presented)      The method of Claim 9, wherein the subject is a  
human.

Claim 49 (previously presented)      The method of Claim 9, wherein V is hydroxyl.

Claim 50 (previously presented)      The method of Claim 9, wherein V is hydrogen and  
Y is hydrogen.

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Claim 51 (previously presented)      The method of Claim 9, wherein V is hydroxyl and Y is hydrogen.

Claim 52 (previously presented)      The method of Claims 50 or 51, wherein X is methyl.

Claim 53 (previously presented)      The method of Claim 9, wherein the spacer group is alkyl, Z is hydrogen and W is no substituent.

Claim 54 (previously presented)      The method of Claim 9, wherein Y is hydrogen, V is hydroxyl, Z is hydrogen and the spacer group is C<sub>1</sub>- C<sub>20</sub>.

Claim 55 (previously presented)      The method of claim 9, wherein Z is hydrogen.

Claim 56 (previously presented)      The method of claim 9, wherein the spacer group is alkyl (straight chain or branched, C<sub>1</sub> - C<sub>20</sub>).

Claim 57 (previously presented)      The method of claim 9, wherein W is no substituent.

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It is believed that this Supplemental Amendment places the application in condition for allowance. If there are any issues that can be resolved with an Examiner's Amendment or a telephone conference, a telephone call to the undersigned attorney at 404-572-3541 is respectfully requested.

Respectfully submitted,



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